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February 24, 2005

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 09/617,380  
For: *STRONG MUTUAL AUTHENTICATION OF DEVICES*  
Inventors: Otway, David J., *et al.*  
Filed: July 17, 2000  
Our Ref. No.: CXT-052

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Second Supplemental Information Disclosure Statement;
2. PTO Form SB/08;
3. Copies of the publications cited in PTO Form SB/08 (A57-A66, B10, B12, CG, C17-C20); and
4. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Second Supplemental Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

*Christopher J. McKenna*  
Christopher J. McKenna  
Registration No. 53,302  
Attorney for Applicants

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on February 24, 2005. *Christopher J. McKenna* (Christopher J. McKenna)



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: David J. Otway et al.

Application number: 09/617,380

Filed: July 17, 2000

For: *STRONG MUTUAL AUTHENTICATION OF  
DEVICES*

Attorney Docket No.: CXT-052

Art Unit: 2134

Examiner: Heneghan, Matthew E.

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to:  
MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on

Date: February 24, 2005

Signature: *Christopher J. McKenna*

(Christopher J. McKenna)

**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicants and their Attorney are aware of the following additional publications listed on the attached PTO Form SB/08, copies of which are enclosed. In accordance with 37 CFR §1.97, we hereby submit these publications for the Examiner's consideration during the prosecution of this application, and request that these publications be considered and made of record therein.

The Examiner has fully considered the previously submitted Information Disclosure Statements of September 8, 2000 and May 4, 2004, except for item CG in the Information Disclosure Statement of September 8, 2000, and items B10 and B12 in the First Supplemental Information Disclosure Statement of May 4, 2004. In the Office Action dated September 24, 2004, the Examiner indicates that item CG was illegible, and that items B10 and B12 were

not provided in English. Applicants list items B10 and B12 on the attached PTO Form SB/08, and enclose copies of these items addressing the issues noted by the Examiner. Applicants request the Examiner to consider these items during the prosecution of this application, and to make these items of record therein.

Applicants also list item CG on the attached PTO Form SB/08. Applicants have searched several sources, including the publisher of the publication, and have been unable to obtain another copy of the publication. Applicants enclose the best available copy of this publication. Although the enclosed copy contains some copying artifacts, Applicants submit the text of the publication is legible. Applicants kindly request the Examiner to consider this publication during the prosecution of this application, and to make this item of record therein. If it would be helpful to the Examiner in considering this publication, the Examiner is welcome to contact the Applicants' attorney to clarify any portion of the publication.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

The filing of this Second Supplemental Information Disclosure Statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, the Applicants understand that the Examiner will make an independent evaluation of the cited publications.

In addition, Applicants direct the Examiner's attention to the following co-pending United States patent applications:

Attorney Docket No.	Patent No. /Serial No.	Filing Date
CXT-029	6,799,270	09-24-1999
CXT-050	09/704,920	11-02-2000
CXT-051	09/579,910	05-26-2000
CXT-052DV	10/709,657	05-20-2004
CXT-057	09/706,117	11-03-2000
CXT-057CN	10/709,806	05-28-2004

Please charge our Deposit Account No. 12-0080 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

Dated: February 24, 2004

By   
Christopher J. McKenna  
Registration No.: 53,302  
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PTO/SB/035/b (03-03)

Approved for use through 07-31-2006 OMB 0651-0231  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/B/PTO				Complete if Known	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/617,380
				Filing Date	July 17, 2000
				First Named Inventor	Otway, David J.
				Art Unit	2134
				Examiner Name	Matthew E. Heneghan
Sheet	1	of	1	Attorney Docket Number	CXT-052

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
A57	5,351,293		09-27-1994	Michener, J.R., et al.	
A58	5,475,757		12-12-1995	Kelly, J.P.	
A59	5,787,169		07-28-1998	Eldridge, A.D., et al.	
A60	6,035,405		03-07-2000	Gage, W.W.A., et al.	
A61	6,088,450		07-11-2000	Davis, D.L., et al.	
A62	6,128,742		10-03-2000	Felt, E.P.	
A63	6,178,508 B1		01-23-2001	Kaufman, C.W.	
A64	6,226,383 B1		05-01-2001	Jablon, D.P.	
A65	6,286,104 B1		09-04-2001	Buhle, G., et al.	
A66	6,757,825 B1		06-29-2004	MacKenzie, P.D., et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> )			
B10	EP 0 734 144 A2		09-25-1996	SIEMENS AKTIENGESELLSCHAFT	
B12	EP 0 875 871 A2		11-04-1998	SCHMITZ, KIM	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CG	Mark Nicholson "How To Hold Mobile Users To Account" Financial Times, Tuesday, May 2, 2000				
C17	Jeong, et al. "Mutual Authentication Protocols for the Virtual Home Environment in 3G Mobile Network." IEEE. 2002; 1658-62.				
C18	Keung, et al. "Efficient Protocols Secure Against Guessing and Replay Attacks." IEEE. 1995; 105-12				
C19	Chich, et al. "An Authentication Protocol Without Trusted Third Party." IEEE. 1997; 87-89.				
C20	Toffy, P. "Staying one step ahead of the hackers." Credit Union Magazine. 2001; 30-41.				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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